

PROPOSED LED SIGNALS

5,6	12,13,15,16	14,17
Y 12"	R 12"	R 12"
	Y 12"	Y 12"
	G 12"	G 12"

PROPOSED LED SIGNAL MODULES

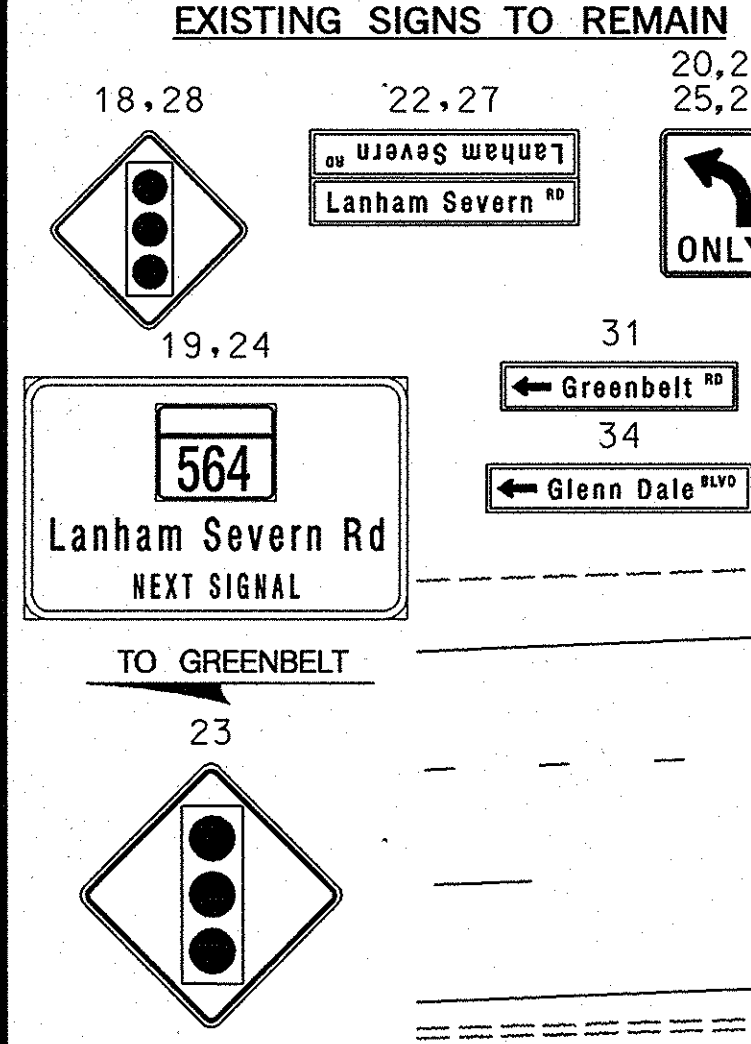
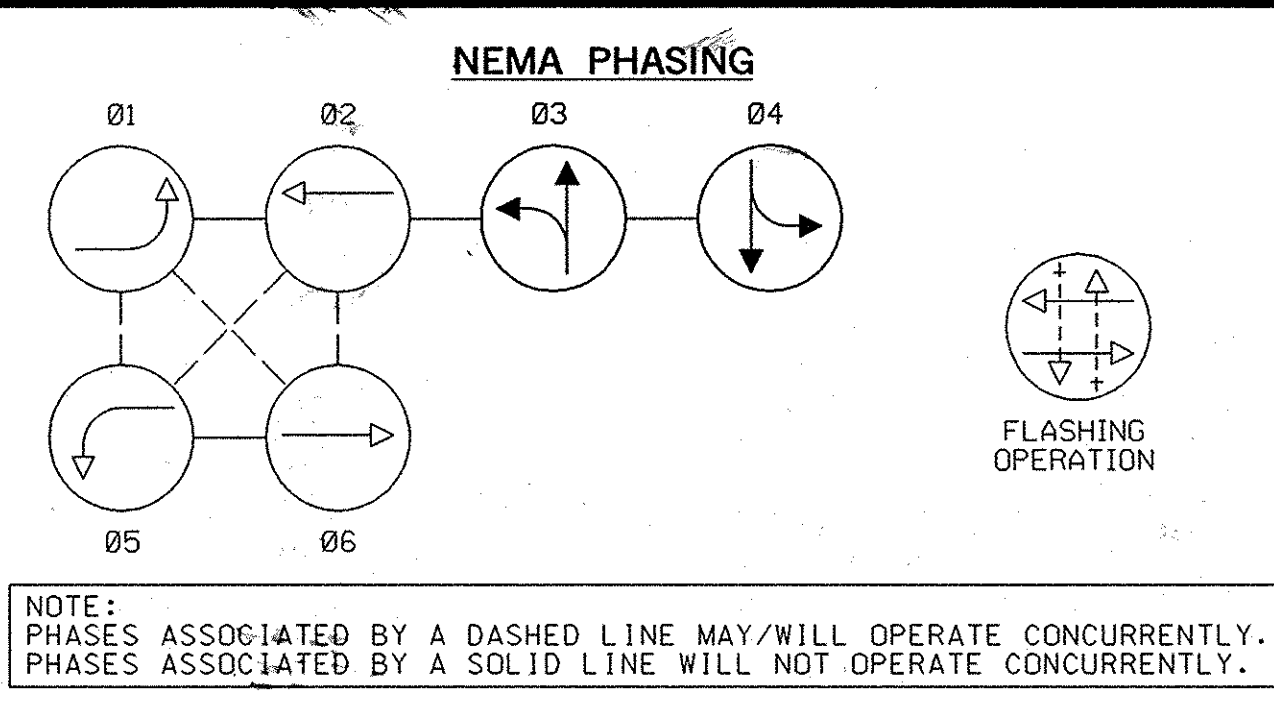
1,2,7,8,9	3,4,10,11	12a,13a,15a,16a	13b,13c,16b,16c
Y 12"	R 12"	Y 12"	Y 12"
	Y 12"	Y 12"	Y 12"
	G 12"	G 12"	G 12"

SIGNALS TO REMOVE

12a,13a,15a,16a	13b,13c,16b,16c
Y 12"	Y 12"
	Y 12"
	G 12"

PROPOSED SIGNS

29,32	30,33
ONLY	ONLY
R3-5L 30"x36"	R3-6L 30"x36"



- CONSTRUCTION DETAILS
- A. INSTALL LED SIGNAL MODULE
 - B. REMOVE EXISTING TRAFFIC SIGNAL HEAD
 - C. INSTALL NEW LED TRAFFIC SIGNAL HEAD
 - D. REMOVE EXISTING TRAFFIC SIGNAL HEAD; INSTALL NEW LED TRAFFIC SIGNAL HEAD WITH EXISTING WIRING
 - E. INSTALL ELECTRICAL HANDHOLE; USE EXISTING 3 IN. CONDUIT BEND IN STRAIN POLE
 - F. EQUIPMENT TO BE REMOVED AS PART OF CLASS II EXCAVATION
 - G. REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT
 - H. EQUIPMENT TO BE ABANDONED
 - J. USE EXISTING SPAN WIRE
 - K. USE EXISTING CONDUIT
 - L. USE EXISTING HANDHOLE
 - M. USE EXISTING CABINET/CONTROLLER
 - N. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT BEND IN EXISTING STRAIN POLE FOUNDATION
 - O. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT BEND IN EXISTING CABINET FOUNDATION
 - P. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
 - Q. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
 - R. INSTALL ELECTRICAL HANDHOLE
 - S. INSTALL 24 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE
 - T. INSTALL VIDEO DETECTION CAMERA ON EXISTING LIGHTING ARM
 - U. INSTALL METERED SERVICE PEDESTAL (NOTE: 2-2 IN. AND 1-4 IN. PVC 90 DEGREE BENDS)
 - V. INSTALL OVERHEAD SIGN
 - W. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT BEND IN EXISTING SIGNAL FOUNDATION
 - X. REMOVE EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
 - Y. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED-BORE PORTION UNDER ROADWAY) - FOR UNDERGROUND POWER SERVICE, THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A ONE FOOT STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
 - Z. INSTALL 2 INCH. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT.
 - AA. REMOVE EXISTING ELECTRICAL UTILITY SERVICE, CAP EXISTING TRAFFIC SIGNAL CABINET.

UTILITY LEGEND

SD	SD	STORM DRAIN
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
T	T	TELEPHONE CABLES
F	F	FIBER-OPTIC

LENHART TRAFFIC CONSULTING
TRAFFIC ENGINEERING & TRANSPORTATION PLANNING
331 Redwood Grove Court Millersville, Maryland 21108
Tel: (410) 987-3888 Fax: (443) 782-2288

NOTE: UTILITY POLE IS LOCATED APPROXIMATELY 250 FEET SOUTH OF THE EXISTING STOP LINE

GEOMETRIC LEGEND

---	EXISTING
---	PROPOSED

- GENERAL NOTES
1. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
 2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
 3. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
 4. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
 5. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.
 6. ALL GEOMETRIC MODIFICATIONS WILL BE CONSTRUCTED BY OTHERS. THE TRAFFIC SIGNAL CONTRACTOR SHALL COORDINATE WITH THE ROADWAY CONTRACTOR AS NECESSARY.
 7. THE CONTRACTOR SHALL ENSURE THAT THE EXISTING TRAFFIC SIGNAL REMAINS OPERATIONAL WHILE COMPLETING THE TRAFFIC SIGNAL MODIFICATIONS.
 8. THE CONTRACTOR SHALL CONTACT MR. EDWARD RODENHIZER (410-787-7850) 72 HOURS IN ADVANCE OF ANY TRAFFIC SIGNAL WORK.
 9. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
 10. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
11. THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM THE DATE LISTED FOR THIS REVISION. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME, THESE PLANS SHALL BE NULL AND VOID WITHOUT A RE-REVIEW BY THE TRAFFIC ENGINEERING DESIGN DIVISION.

APPROVALS	REVISIONS
TEAM LEADER	1. MODIFY TRAFFIC SIGNAL FOR NEW GEOMETRICS ADD SIDE STREET SPLIT NOV 2006 BWS98M82
ASST. DIV. CHIEF	2. MODIFY TRAFFIC SIGNAL FOR WB DOUBLE LT MAY 2006 BWS98M82
DIVISION CHIEF	3. INSTALL EXCLUSIVE SIGNAL HEADS AND EB DOUBLE LT JULY 2002 SHA XX10065485
OFFICE DIRECTOR	

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 193 (GREENBELT ROAD) AT
MD 564 (LANHAM SEVERN ROAD)

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE APRIL 1987 CONTRACT NO. PG464A51

DESIGNED BY N/A COUNTY PRINCE GEORGE'S
DRAWN BY R. CARRIKER LOGMILE 16018310.40
CHECKED BY N/A T.I.M.S. NO. J372
F.A.P. NO. N/A TOD NO.

DRAWING NO. TS-705J OF SHEET NO. 1 OF 1